

**Abstract**

A system and method of using character set matching to identify the matching or best-matching font to print text of indeterminate language are presented. Today's operating systems do not provide the native tools and functions to easily display text of unknown language or multiple languages. The complexity of any underlying code that handles a multilingual display is sharply increased due to the text being segmented into multiple text runs. The invention employs character set engine that provides necessary character set guessing functionality, as well as an enumerator module to build a linked list of suitable output fonts to display text from an arbitrary language, and multilingual text. Output on a laser, inkjet or other printing apparatus can be granted by traversing that list.

2025 RELEASE UNDER E.O. 14176